

ಮಂಗಳೂರು
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY

(Accredited by NAAC)

ಕ್ರಮಾಂಕ/ No. : MU/ACC/CR 16/2023-24/A2

ಕುಲಸಚಿವರ ಕಛೇರಿ

ಮಂಗಳಗಂಗೋತ್ರಿ - 574 199

Office of the Registrar

Mangalagangothri - 574 199

ದಿನಾಂಕ/Date:09.10.2023

NOTIFICATION

Sub: Revised syllabus of M.Sc. Electronics Programme

Ref: Academic Council approval vide agenda

No.: ಎಸಿಸಿ: ಶೈ.ಮ.ಸಾ.ಸ.2:15(2023-24) dtd 04.10.2023.

The revised syllabus of M.Sc. Electronics Programme which is approved by the Academic Council at its meeting held on 04.10.2023 is hereby notified for implementation with effect from the academic year 2024-25 and onwards.

Copy of the Syllabus shall be downloaded from the University Website (www.mangaloreuniversity.ac.in)



REGISTRAR

To

1. The Registrar (Evaluation), Mangalore University.
2. The Chairman Combined BOS in Electronics, Dept. of Electronics, Mangalore University.
3. Chairman, Dept. of Electronics, Mangalore University.
4. The Superintendent (ACC), O/o the Registrar, Mangalore University.
5. The Asst. Registrar (ACC), O/o the Registrar, Mangalore University.
6. The Director, DUIMS, Mangalore University - with a request to publish in the Website.
7. Guard File.

DEPARTMENT OF STUDIES AND RESEARCH IN ELECTRONICS

Draft Structure of Revised Syllabus for M. Sc. Electronics Course

I Semester

HardCore

Sl. No.	Course	Credits
1	ELH401-Digital System Design	4
2	ELH 402-Microcontrollers and PIC	4
3	ELH403-Basic VLSI Design	3

SoftCore

Sl. No.	Course	Credits
1	ELS404 -Verilog VHDL	
2	ELS405 –Power Electronics	3
3	ELS406–Computer Architecture	3
4	ELS407 –Python Programming	3

Practical

1	ELP411–Digital Design using Verilog	3
2	ELP412–Microcontroller Lab	3

II Semester

HardCore

Sl. No.	Course	Credits
1	ELH451 -Digital Signal Processing	4
2	ELH452-Digital and Wireless Communication	4
3	ELH453 -AI and Machine Learning	3

SoftCore

Sl. No.	Course	Credits
1	ELS 454-Embedded System Design	3
2	ELS 455–Microwave Devices	3
3	ELS456-Low Power VLSI	3
4	ELS457–Internet of Things	

Practical

1	ELP461 -AI/ML Lab	3
2	ELP462-Digital Signal Processing Lab	3

Open Elective

Sl. No.	Course	Credits
1	ELE459–Introduction to Artificial Intelligence	3

IIISemester**HardCore**

Sl. No.	Course	Credits
1	ELH501 –Digital Image Processing	4
2	ELH502 -VLSI (Advanced)	3
3	ELH503-Embedded Processors	3

SoftCore

Sl. No.	Course	Credits
1	ELS504 -Data Science	3
2	ELS505-Deep Learning	3
3	ELS506–Cyber Security	3
4	ELS507–Nano Electronics	3

Practical

1	ELP 511-VLSI Lab	3
2	ELP512 -Digital Image Processing Lab	3

OpenElective

Sl. No.	Course	Credits
1	ELE509–Data Communication Technology	3

IVSemester**HardCore**

Sl. No.	Course	Credits
1	ELP551 -Project	18